

NUTINI'S GENIUS.

HOW THE BLIND ITALIAN ARTIST PLAYS BY NOTE—THERE IS NOTHING IN THE WHOLE CLASSICAL REPERTOIRE TOO DIFFICULT FOR HIM—HIS WONDERFUL SYSTEM OF COPYING MUSIC BY DOTS—HOW HE PRACTICES AT THE PIANO, FOLLOWING THE DOTTED PAGE WITH HIS RIGHT HAND AND PLAYING THE NOTES WITH THE LEFT.

BY CLEVELAND MOFFETT.
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New York: As soon as the door was opened it was plain that a great musician was in the house. From somewhere upstairs came a shower of golden notes as smooth and softly changing as the lights in a colored fountain. It was very beautiful.

"The signor is practicing," said his friend; "he will be glad to see you. Wait, listen, there!"

His fine Italian face beamed with enthusiasm as the music from above changed into a terrific, rapid passage that set the walls vibrating. It was as if a whole orchestra was playing.

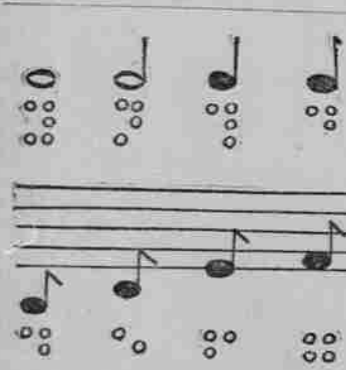
"It is one of his own compositions; that is the signor's specialty—the composition of open-air music," he sighed, as a familiar melody rose above the crashing of chords.

We went upstairs presently and a tiny, hunched, blind man, with a face that had played before kings and princes, and played with the great Italian masters, he is young, scarcely over thirty. A broad, white, hair, black and long as muscians wear it, and eyes closed forever. No doubt about the suffering in this face, which has sensitiveness in every line, and yet strength, too, and pride. His black moustache is curled at the ends in approved Italian style. His hand shuts down in a strong grasp that tells of muscles in the fingers, short, square, tipped fingers they are, coming out of a square palm—the real musician's hand. His voice is high-pitched and he seems to speak in a language of his own, in French, for his English is scanty, yet, and he smiles easily and away his head like a woman. This is the man who has brought across the ocean to show Americans what a little blind baby may grow into if the soul of music be in him.

For an hour or so he played for me, some of Liszt's (the Second Hungarian), some of Chopin (the Fifth Nocturne), anything I asked for. Then he played compositions of his own, ending with an elaborate arrangement of "Home, Sweet Home." Very grand, in its strength and skill of his hands, his runs and trills murmur like flowing water, his crescendo effects come like the sweep of a storm, and his response instantly to every change in the music. Now he is sad or stern, now tender almost to tears. His color changes from extreme pallor to the flush of excitement, his large dark eyes flash against his teeth, and in the heavy passages his neck swells with tense muscles and the whole man seems transfused. The smile that is his, his face is something to remember.

"Now his heart is beating 120 times to the minute," his friend said, "and that rose from the piano. It's always that way when he stops playing."

It is not for me to say how great an artist he is. The critics will settle that later on, and the public, when they hear him. He plays all that Paderewski plays, and Rosenthal and the rest of them. The whole classical repertoire, in short, is at his command, for his blindness. That is what strikes me as most interesting and worthy of some full account, how this blind man is able to render the most difficult compositions with the accurate technique of a performer whose sight is unimpaired, for this is not merely a case of phenomenal ear, such as Blind Tom possessed. No doubt Nutini has a wonderfully sensitive ear, as we shall presently see, but his concert pieces are learned by note and committed to memory after the manner of any other artist. When he plays a composition by Schumann, for example, he plays it with absolute accuracy, and nothing at haphazard, and when he makes one of those tremendous leaps from one end of



NUTINI'S SYSTEM OF DOTS FOR RECORDING NOTES.

the keyboard to the other with both hands full of notes, he lands fairly and squarely where he should land, and his fingers strike the keys as marked in the printed score. In fact, he can detect the entire score of whatever he plays and make no mistakes.

This uncanny precision in virtuoso passages, though wonderful enough, might be accounted for by that special faculty for judging distances possessed by the blind, but his memory for notes which have never been seen, for all the notes of a vast repertoire, is something that goes beyond ordinary comprehension.

When I asked Sig Nutini how he learned the composition which he plays, the blind man, with a proper pride, produced his stylus and copying apparatus and, seating himself at a table, proceeded to show me how, by a system of dots and notes, he gets his letters. He can get into his brain and then into his fingers any succession of notes ever printed. He first lays in a frame with a ridge, and back, about the size of a schoolboy's slate, a large sheet of heavy yellow paper, specially made for this purpose. Then along the surface of this frame, he moves a metal ruler with little scales, punctured through its length to guide the stylus. Each time he presses the stylus upon the paper an indentation is made which gives a dot on the other side, the size of a pinhead. Within each square of the ruler he makes a certain number of these dots, their arrangement indicating some musical character. Five dots make a letter "E," backward means a whole note, three dots in a right angle means an eighth note, and so on for all the others, as will be understood by the accompanying diagram. From one to five dots must thus be made to indicate every separate note or rest or mark of expression, so that 50 or 60 dots might be necessary to represent the manner of playing a single chord with both hands. What patience, then, must be required to copy out in this way, note by note, page by page, one of Beethoven's sonatas or Liszt's elaborate compositions! Fifty of these large yellow sheets were covered closely with dots in copying Schumann's carnival, and at his home in Italy Nutini has a room piled high with these copies, and Nutini speaks of his early years and recalled some charming memories of the institution for the blind in

learn patience in their spare moments! That I might better understand his method of copying music, Signor Nutini took down at his friend's dictation a few lines from a printed score. His friend would call the notes one by one, indicating the length of each, the rests and whatever else was necessary, while Nutini, working from right to left, would make the dots upon the paper, his right hand holding the stylus and his left managing the ruler. The sound and action suggested a telegrapher sending a message. Both men spoke in Italian, and every few moments Nutini would come out with a sharp "Eccolo," and abbreviation for "colui," which means "all right."

He made a mistake in the arrangement of dots, but quickly corrected it by turning the page and pressing the paper flat, and, as he did this, he explained what need he has to be a master of the laws of harmony, for it is this knowledge which enables him to detect mistakes that will creep in now and then in the dotted score. When ever he suspects such a mistake he has his friend read over the original to him again and then marks it down as it should be.

When once the dotted score is correct, Nutini proceeds to memorize it at the piano, and his manner of doing this would surprise an ordinary musician. A blind man, he has a music rack, but lays the yellow pages on top of the piano and reaches up to them with his right hand while he plays with his left. Note by note, line by line, he follows the dots, the end of his right index finger being the only eye to guide him. The dots tell him the time, the length of the notes, and every smallest detail of musical notation. And he goes ahead quickly, his right hand moving continually from right to left and taking in with the wonderful sensitivity of his fingers the details of the score, almost as readily as one who could see would read them. And such is the man's concentration and power of concentration that a single running over of the dots in this way often suffices to put the piece in his head and hands. Indeed, he remembers a good part of it from the first copy, even when the style is obscure. He learns the treble part first, playing it, only enough, with the left hand, then the bass part and then leaving the right hand, he knows where the notes are, feeling for the dots from time to time as he needs them. Three days' work in this way gives him a fair mastery of the average concert piece, and that includes the time for the original marking down of the dots, then three days more at the piano give him property in it, and stores it away in his mind, not to be forgotten. Six days' work does not seem so very long for such a result, but Nutini works 10, 12 or 14 hours a day, and with an intensity of mental effort that men with eyes know nothing about. Day matters nothing to him, what is going on in the world matters nothing; the whole universe at such a time consists for him of only two things, a piano keyboard and a sensitive finger.

A little later I was given an opportunity to judge of the wonderful delicacy of touch possessed by the blind, the delicacy which is doubtless much greater in Nutini's case than in that of the ordinary blind person. He wrote down for me the blind alphabet as it exists in Italy, and then showed me some of the yellow pages on which he writes, his exercises for the study of English. They were short sentences of the Gifford style, each one containing about a dozen simple words. Now to approach one of these words meant to recognize by the touch, he had half a dozen letters, and to recognize each letter meant the feeling of the ordinary blind person. He wrote down for me the blind alphabet as it exists in Italy, and then showed me some of the yellow pages on which he writes, his exercises for the study of English. They were short sentences of the Gifford style, each one containing about a dozen simple words. Now to approach one of these words meant to recognize by the touch, he had half a dozen letters, and to recognize each letter meant the feeling of the ordinary blind person. He wrote down for me the blind alphabet as it exists in Italy, and then showed me some of the yellow pages on which he writes, his exercises for the study of English. They were short sentences of the Gifford style, each one containing about a dozen simple words. Now to approach one of these words meant to recognize by the touch, he had half a dozen letters, and to recognize each letter meant the feeling of the ordinary blind person.

read off English sentences with the greatest fluency, with a clear, staccato effect, somewhat in this style: "Shall you buy my house?" "Does your coat love his wife?" "Nobody likes him because he is a naughty boy," etc. These he gave us almost as rapidly as he would speak in Italian, his finger running across the lines meantime.

In the midst of this the signor's friends were inspired to play a joke upon him, the purpose of which was to show us how he gets his letters from home. Taking from the table a letter received a few days before, the friend went to the door and knocked sharply.

"Avanti," said Nutini. The friend opened the door and pretended to speak in English to some one outside.

"Come in," (What is it?) asked the signor. "Una lettera per lei che viene d' Italia." A letter from Italy! Instantly Nutini's face was bright with pleasure and surprise. He was all animation, expectation, and taking the letter handed to him he opened it quickly and began to run his finger along the dotted line. He should explain that his family and friends write to Nutini with the stylus in just the same way that he writes down music, and their pages are simply folded over once and sent through the mail without seal as second class matter. There is no danger of any prying postman discovering secrets entrusted to this unfamiliar language. Before he had read far Nutini discovered the trick that had been played upon him and burst out laughing, enjoying the fun as much as his friend. "I got it along with my newspaper," and then he showed me a newspaper for the blind, printed with dots like the letter that came to him every week from Italy. His friends told me that he can never get over a feeling of surprise when he enters a room perfectly dark and finds Nutini reading aloud from a book. And of course the signor is just as apt to do his practicing in a dark room as in a light one for he cannot tell whether the gas is lighted.

Later Nutini spoke of his early years and recalled some charming memories of the institution for the blind in

Florence, where he grew to young manhood. He was received in this institution at the age of six, which marked the commencement of his serious musical studies, but before that as a little tot of four or five he had amazed his parents by his love for the piano, groping his way instinctively to the instrument and climbing up upon the stool to pick out chords and melodies with his little hands. At the age of 9 he made his first public appearance as a concertist at the institution, and played an original transcription of "Il Trovatore," which he repeated for me with great amusement.

"That is the way I played it then," he said, laughing. "This is the way I play it now." And then the showers of golden notes began again and the passages that seemed to tear out of the man's soul. While he loves the classical repertoire and devotes himself to it with the utmost conscientiousness, it is a great joy to him to wander free and untrammelled through the beautiful passages of the old operas. These he plays over and over again for his own amusement and the pleasure of his friends, never rendering them twice the same way, but making them always a delight to those who listen. And when the music is in the dark, he loves to play the music of love and poetry and sadness.

"Were you blind from birth?" I asked. Nutini shook his head. "No, I am blind from the age of nine months; it was an accident, but I do not remember the light."

"Do you think you would be as great an artist as you are if you had been blind?" "His face brightened. "That is a thought that often helps me when I am discouraged. If I had been able to see, other things would have interested me, and taken me from my music. As it is, there has been only music in my life. What can I do? We come to a new place, my friend takes a walk to see why should I take a walk? If I want air I open the window. What I want first is a piano; when I have that and my violin I am happy. I live only in my music. The music is my life, day, every night, 10, 12 hours. I don't know how many. At Florence I taught music, but no one taught me, except for a few months. You know I do not know that I play the violin? Listen, and you shall hear."

Then with new eagerness Nutini brought forth his violin and played beautiful things upon it. His friend says he is as great an artist at this instrument as he is at the piano. One thing is quite certain, that there is no man in the world, blind or not blind, who can play as well as he on both the piano and violin. And probably there is no one who has so delicate an ear. Not only can he tell the absolute pitch with the greatest ease, many musicians can do that, but he can detect differences in tone too subtle for the piano to record.

"While some note," he said, "any note," and I did so.

"Ah," he said, striking two notes on the piano, "that was between C and C sharp."

And when I struck a glass or produced any other musical tone he indicated instantly on the piano what it was.

I went away realizing that there are compensations in every affliction, and that the life of this blind musician offered a lesson to people of rich endowment on the value of concentration in the doings of men.

EVERYBODY MUST HELP.

The Weal of This Work-a-Day Republic Does Not Lie With the Rich.

New York Sun: "Signs of the Times" was the subject of a lecture delivered Sunday morning by the Rev. Dr. Gustav Gotthold in the Temple Emanuel. He said that we are a peculiar people, a nation in shirt sleeves, the despots of idlers, whether in the world of wealth, fashion or religion. So deeply penetrated is this people with the idea that "work makes the man," that every citizen who does not believe in the maxim must if they are at all public opinion, assume a semblance of belief in it, and even workmanlike is gradually being drawn into the whirl of ceaseless employment.

Dr. Gotthold added that whereas 100 years ago the call was for a lot of rights of man, now the cry was for a bill of duties. If the need was for itself in many ways, he said, and the means are multiplying to acquaint the people with the duties of citizenship. While these efforts are not rudimentary, yet the time has come when in every serious emergency and great endeavor the first thought would be that the duty of the people was in the premises. The man who has done out of a sense of charity. When the people shall be accustomed to practice self-help in the widest possible and best organized manner, then, and not until then, will such problems be solved.

The present condition of the wage-worker, Dr. Gotthold said, was full of danger because of the lack of employment. Now eyes are turned toward the wealthy for gifts and charities. That the rich should aid this condition, through the power of city and authorities, or through the many charitable institutions or churches, is the cry of the people, while the vast army of those who are employed are not asked to aid their comrades in need. There are many ways, however, by which the wealthy can do but little so long as the wage-earners themselves are deaf to the cries of their fellows, and so long as the wage-earners themselves are not properly organized. Wage-earners must be organized, and listed in the service of those nearest them. Why should they not be made to feel the obligation to sacrifice if but a fraction of their earnings for the benefit of their fellows who are in danger of becoming paupers? The number of the rich or even the well-to-do, who can spare large sums besides their contributions to established charities, is but small, when compared with the number of those who can do a little something of which would amount to more in the aggregate in the result. If the efforts of the rich are directed judiciously and earnestly by the properly qualified persons. Let the laborer insist upon the dignity of being counted upon when the hour calls for volunteers in the service of suffering fellow workers. Such an attitude on the part of the laborer would quietly and surely give him a moral weight in the councils of the nation which he can never obtain by a selfish or corrupt use of his vote, and less still by strikes and revolutions.

An American Woman Honored.

Chicago Tribune: Mrs. Cadwallader Guild, an American who has studied in both Frankfurt and Berlin, is the first woman commissioned by the German government to furnish an art contribution to the public buildings of the city of Geneva. Von Stephan has ordered from her two statues representing the post and telegraph to be placed on the new general post-office in Berlin. The citizens of Frankfurt presented to Herr Von Stephan Mrs. Guild's beautiful bronze statue of Elikton, which probably paved the way for this further order. Mrs. Guild has also recently executed a bust of the Princess of Saxe-Altenburg. It is now on exhibition in Berlin, and is creating a sensation by its beauty and original treatment.

It Gives Warning.

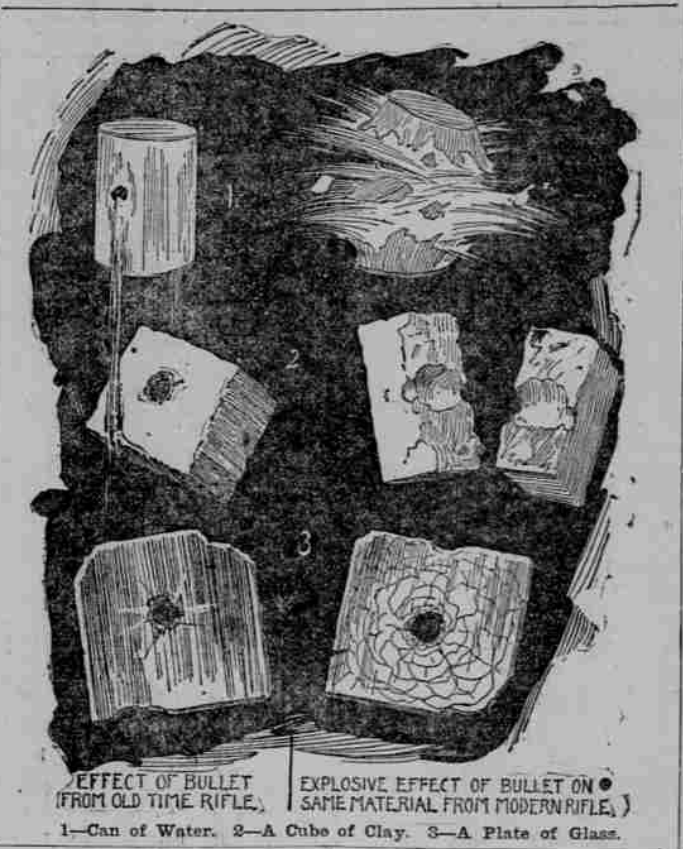
That there's trouble ahead—if you're getting thin. It shows that your blood is impoverished, and your system is run down so that whatever you eat fails to properly nourish you. Just as long as you remain in this condition, Consumption, Pneumonia and other dangerous diseases are likely to fall upon you. You should build yourself up with Dr. Pierce's Golden Medical Discovery. Purify and enrich the blood, rouse every organ into healthy action, and build up healthy, wholesome flesh.

THE MODERN ARMY RIFLE. DOES IT VIOLATE THE GENEVA CONVENTION?

RECENT EXPERIMENTS MADE BY EUROPEAN GOVERNMENTS SHOW THAT ORDINARY LEAD BULLETS ARE AS EXPLOSIVE IN THEIR EFFECT AS IF FILLED WITH THE DEADLIEST OF COMPOUNDS, THIS RESULT DUE TO THE GREAT VELOCITY WITH WHICH THEY ARE PROJECTED FROM THE MODERN RIFLE—EFFECT OF THE HIGH VELOCITY BULLET ON GLASS, CLAY, METAL AND FLUIDS AS COMPARED WITH THAT OF BULLETS FIRED FROM GUNS USED IN RECENT WARS.

At one of the last meetings of the international congress which met at Geneva, Switzerland, for the purpose of deciding upon methods and rules for the relief of the wounded in battle, it was tacitly agreed between the contracting nations that explosive bullets were not to be used in civilized warfare. Late developments in firearms seem to indicate that the spirit, if not the letter of the convention, is being violated. Neither have the violators gone "around Robin Hood's barn" to accomplish their purpose. It is the result of accident, or rather, of a development in physics. We have simply found that we were not as well acquainted with the rule of inertia or momentum as we thought we were. The Geneva convention or not, if any civilized country were to put dynamite or other explosive compounds into its bullets all the other civilized countries would rise up in combined protest against the practice. Yet several nations are now using guns the bullets of which are quite as explosive in their effect as though they were filled with dynamite. Most remarkable is the fact that these

bullets of blood into the blood vessels. Bullets were fired at various distances up to 1,000 meters. Even at this distance with the bullet traveling at the rate of 170 meters a second, the explosive effect was noticeable, while at shorter ranges the lateral disruption was very great. The reason for this explosive effect in wounds produced by bullets of high velocity has not been clearly explained. Even Major A. C. Girard, one of the foremost surgeons in the United States army, is at a loss to explain it. He says concerning it: "The centrifugal action assumed to be produced by the rotation of the bullet has been believed to be the cause of explosive action. Unfortunately for this theory, this effect was observed with round balls propelled from smooth-bore guns whenever the velocity reached 1,200 revolutions in a second. It is therefore, a velocity such that in a flight of three feet, approximately, only four revolutions are accomplished, and it would therefore, perform but a small part of one on striking the human body. The fusion of the lead and the scattering in all directions of molten particles has



EFFECT OF BULLET (FROM OLD TIME RIFLE). EXPLOSIVE EFFECT OF BULLET ON (FROM MODERN RIFLE). 1—Can of Water. 2—A Cube of Clay. 3—A Plate of Glass.

bullets affect living tissue worse than they do any other substance.

PRACTICES WHICH THE GENEVA CONVENTION PROHIBITS.

The Geneva convention prohibited the old "Express" rifle bullet. This bullet was of larger calibre than the bullet of the modern rifle, and was hollow, and had a small steel point. When this steel point struck a bone it stopped short in its flight, while the lead, being softer, kept on, and, unable to go forward, spread out like an ill-shaped funnel in all directions, inflicting a terrible wound. Pieces of wax were also used in place of the steel point, the effect being to burst or "burst" the lead behind, creating a space to speak a bullet with a knob on it, destructive in its effect and difficult to extract. All this was mechanical contrivance to increase the destructive powers of the bullet, and even more deadly in their effect on human tissues. As mentioned above this device is the result of an unexpected development in physics.

It is found that when a bullet of very high velocity enters a fluid, it causes an explosion or internal effect directly in proportion to the force of its impact. The phenomenon may be said to resemble the dropping of a stone in a pool of water. The stone continues down the bottom, but the water around it is forced up, and the water is forced out in all directions. The more fluid the substance, the greater the effect, as the particles of matter and hence the waves of motion more easily communicate their force to one another. Thus a modern bullet may enter a man's body and make but a small-sized hole, yet the communicated shock would be terrible, shattering every bone without the least external effect. In its immediate effect throughout the whole system, and proving fatal, if not instantly, it is another dynamite could not be more deadly.

CONCLUSIVE EXPERIMENTS.

Professor Reicher of Berne, Switzerland, has recently made some very interesting experiments showing just how this explosive effect of the bullet is produced. At these and into these he fired bullets of high velocity. Now in regard to the bullet, the professor says: "The bullet is a stone thrown through a window would probably shatter the glass all to pieces, while a bullet would make a small clean hole where it had gone through. The bullet is a stone thrown through a window would probably shatter the glass all to pieces, while a bullet would make a small clean hole where it had gone through. The bullet is a stone thrown through a window would probably shatter the glass all to pieces, while a bullet would make a small clean hole where it had gone through."

If the effect on solids was startling, what shall be said of the effect on fluids? Tin cans, either empty or filled with dry substances were fired through with the result of boring a small hole at the point of entrance and exit and of compressing outwardly the substance contained in the bullet, but when cans of fluid were perforated by high velocity bullets they burst in all directions, conclusively proving the explosive effect of the bullet. In a recent experiment made by the German government the terrible results of the explosive effect of bullets were noticed. Some animal specimens were placed in a container so that they could be kept wrapped in sheets so as to give the effect of wearing apparel. The tissues of the body were exposed by the injection of fluids, particularly the injection

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